

1 We claim:

1 1. A hummingbird feeder, comprising:  
2 a first reservoir comprising an output port;  
3 liquid hummingbird food disposed in said first reservoir; and  
4 a fluid conduit comprising an elastomer, a first end, and a second end, wherein said first  
5 end can be releaseably attached to said output port.

1 2. The hummingbird feeder of claim 1, wherein said first reservoir comprises a  
2 contiguous elastomer.

1 3. The hummingbird feeder of claim 2, further comprising a flow restrictor disposed  
2 within said fluid conduit adjacent said second end.

1 4. The hummingbird feeder of claim 3, wherein said flow restrictor comprises a  
2 cellular material having a plurality of individual fluid flow channels disposed therethrough.

1 5. The hummingbird feeder of claim 2, further comprising a valve, wherein said  
2 valve is interconnected to said output port, and wherein said first end of said fluid conduit can be  
3 releaseably connected to said valve.

1 6. The hummingbird feeder of claim 1, further comprising:  
2 (N) fluid reservoirs, wherein (N) is greater than or equal to 2;  
3 (N) first fluid conduits;  
4 a central manifold, wherein each of said (N) fluid reservoirs is interconnected to said  
5 central manifold via one of said (N) first conduits;  
6 (M) second fluid conduits, wherein each of said (M) second fluid conduits comprises a  
7 first end and a second end, wherein the first end of each of said (M) second fluid conduits is

8 interconnected to said central manifold, and wherein (M) may be less than, equal to, or greater  
9 than, (N).

1 7. The hummingbird feeder of claim 6, further comprising:

2 (P) valves, wherein each of said (P) valves is interconnected to a different one of said (N)  
3 fluid reservoirs and to a different one of said (N) first fluid conduits, and wherein (P) is less than  
4 or equal to (N).

1 8. The hummingbird feeder of claim 7, wherein each of said (N) fluid reservoirs  
2 comprises a contiguous elastomer.

1 9. The hummingbird feeder of claim 8, wherein each of said (M) second fluid  
2 conduits comprises an elastomer.

1 10. A method to feed hummingbirds, comprising the steps of:

2 providing a hummingbird feeder comprising a reservoir which includes an output port,  
3 liquid hummingbird food disposed in said reservoir, and an elastomeric fluid conduit comprising  
4 a first end and a second end, wherein said second end comprises an aperture;

5 providing a building;

6 disposing said reservoir inside said building at a first gravitational potential; and

7 disposing said second end of said elastomeric fluid conduit outside said building at a  
8 second gravitational potential, wherein said first gravitational potential is greater than said  
9 second gravitational potential;

10 releaseably attaching said first end of said conduit to said first reservoir;

11 providing said hummingbird food from said first reservoir to said aperture.

1 11. The method of claim 10, wherein said hummingbird feeder further comprises a  
2 flow restrictor disposed within said fluid conduit adjacent said second end.

12. The method of claim 11, wherein said flow restrictor comprises a cellular material having a plurality of individual fluid flow channels disposed therethrough.

13. The method of claim 10, wherein said hummingbird feeder further comprises a valve, wherein said valve is interconnected between said first reservoir and said first end of said fluid conduit, further comprising the step of adjusting said valve to create an equilibrium between the gravitational force exerted on said hummingbird food disposed in said first reservoir and the frictional force created by the flow of said liquid hummingbird food through said fluid conduit to form a single drop of hummingbird food disposed at said aperture.

14. The method of claim 10, wherein said reservoir comprises a contiguous elastomer.

15. The method of claim 14, wherein said fluid conduit comprises an elastomer.

16. A method to feed hummingbirds, comprising the steps of:  
providing a (N) fluid reservoirs, wherein (N) is greater than or equal to 2;  
providing liquid hummingbird food;  
disposing said liquid hummingbird food into two or more of said (N) fluid reservoirs;  
providing (N) first fluid conduits;  
providing a central manifold, wherein each of said (N) fluid reservoirs is interconnected to said central manifold via one of said (N) first conduits;  
providing (M) second fluid conduits, wherein each of said (M) second fluid conduits comprises a first end and a second end, wherein (M) may be less than, equal to, or greater than, (N);  
interconnecting the first end of each of said (M) second fluid conduits to said central manifold;

13 dispensing said liquid hummingbird food from one or more of said (M) second ends.

1 17. The method of claim 16, further comprising the steps of:

2 providing (P) valves, wherein (P) is less than or equal to (N);

3 interconnecting each of said (P) valves to a different one of said (N) fluid reservoirs and

4 to a different one of said (N) first fluid conduits.

1 18. The method of claim 17, further comprising the steps of:

2 dispensing said liquid hummingbird food from a first one of said (N) fluid reservoirs;

3 emptying said first fluid reservoir;

4 dispensing said liquid hummingbird food from a second one of said (N) fluid reservoirs;

5 refilling said first fluid reservoir;

6 continuously providing said hummingbird food from one or more of said (N) fluid

7 reservoirs while refilling said first fluid reservoir.

1 19. The method of claim 18, further comprising the steps of:

2 providing a building;

3 disposing said (N) fluid reservoirs inside said building;

4 disposing the second ends of said (P) second fluid conduits outside of said building.

1 20. The method of claim 19, wherein each of said (N) fluid reservoirs comprises a

2 contiguous elastomer, and wherein each of said (P) second fluid conduits comprises an

3 elastomer.